



"video coding" metadata

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## Patents

Patents 1 - 10 on "video coding" metadata. (0.21 seconds)

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### Automated video interpretation system

US Pat. 6516090 - Filed Apr 23, 1999 - Canon Kabushiki Kaisha

... segment analyser 140 is integrated with an object- based digital **video coding** system. ... the video segment analyser 140 may just generate **metadata**. ...

### Video coding and reconstruction apparatus and methods

US Pat. 6782132 - Filed Aug 11, 1999 - Pixonics, Inc.

A second tier of motion vector field **metadata** refinement is also typically desirable.  
(The vertical subpixel offsets will typically control or influence the ...

### Preparation of metadata for splicing of encoded MPEG video and audio

US Pat. 7096481 - Filed Mar 31, 2000 - EMC Corporation

Barry G. Haskell, Atul Puri, and Arun N. Netravali, MPEG- **Video Coding** and Compression, Chp. 8, pp. 156-182, and "Interactive Television," Chp. 13, pp. ...

### Adaptive pattern recognition based control system and method

US Pat. 6400996 - Filed Feb 1, 1999

Hunter, Jane, "The Application of **Metadata** Standards to ISO/IEC JTC1/SC29/WG11 ... "MPEG-7 Applications", **video coding**", Proceedings of the SPIE—The ...

### Automated image interpretation and retrieval system

US Pat. 7065250 - Filed Sep 15, 1999 - Canon Kabushiki Kaisha

If the video segment analyser is integrated with the digital **video coding** system, ... the video segment analyser 140 may just generate **metadata**. ...

### Intelligent electronic appliance system and method

US Pat. 6850252 - Filed Oct 5, 2000

Hunter, Jane, "The Application of **Metadata** Standards to Video Indexing" ...  
P., "Fractal approach to low rate **video coding**", Proceedings of the ...

### Media recording device with packet data interface

US Pat. 6640145 - Filed Jun 3, 2002

Hunter, Jane, "The Application of **Metadata** Standards to Video Indexing" ...  
P., "Fractal approach to low rate **video coding**", Proceedings of the SPIE—The ...

### Digital watermarking and fingerprinting including synchronization, layering ...

US Pat. 7020304 - Filed Jan 22, 2003 - Digimarc Corporation

... such as a Group of Pictures (GOP) in a **video coding** format like MPEG. ...  
can be used to link content items with a variety of **metadata** and actions, ...

### Media recording device with remote graphic user interface

US Pat. 7006881 - Filed Oct 24, 2003

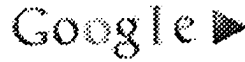
Therefore, the system characterizes the stored images to generate a **metadata** index, ...  
... "Overview of the px64 kbit/s **Video Coding** Standard", Liou, ...

### Moving object detector and image monitoring system

US Pat. 7082210 - Filed Feb 25, 2002 - Mitsubishi Denki Kabushiki Kaisha

... of the image as **metadata** by way of the transmission path. stream analyzer,

... which is MPEG-1 video coding method, the MPEG-2 video coding performed by ...



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## Patents

Patents **11 - 12** on "video coding" metadata. (0.09 seconds)

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### Distributed control strategy for dynamically encoding multiple streams of ...

US Pat. 7085322 - Filed Jan 18, 2002 - International Business Machines Corporation  
Joint Rate Control for Multi-Program **Video Coding**, Aug. ... 10, Oct. 1997, "Structured  
**Metadata** for Application Specific Viewers for Streamed Internet ...

### Announced session control

US Pat. 7103667 - Filed Nov 19, 1999 - British Telecommunications  
... of an SDP session description, or any **metadata** about the session. ...  
require teams with skills in audio and **video coding**, network transport protocols, ...



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## **Synchronised object retrieval: the enhancement of information retrieval performance in multimedia environments using synchronisation protocols.**

**Author(s)**

Brophy-P.

**Author affiliation**

Brophy, P., Dept. of Inf. & Commun., Manchester Metropolitan Univ., UK.

**Keywords In Context**

... retrieve objects, which may either lack appropriate **metadata** or where the **metadata** is insufficient to enable reliable retrieval. It ...

**Keywords**

SOR; synchronised-object-retrieval; information-retrieval-performance; synchronisation-protocol; SMIL-compliant-multimedia-presentation; synchronised-multimedia-integration-language; **metadata**.

**Publication type**

Journal-paper.

**Publication year**

2003.

**Publication date**

20030700.

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## **Synchronization of MPEG-7 metadata with a broadband MPEG-2 digiTV stream by utilizing a digital broadcast item approach.**

**Author(s)**

Lugmayr-A-R, Kalli-S, Creutzburg-R.

**Author affiliation**

Lugmayr, A.R., Kalli, S., Inst. of Signal Process., Tampere, Finland.

**Keywords In Context**

... research issues, such as synchronization of MPEG-7 **metadata**, retrieved either from the broadcast stream, or ...

... In this research work we consider, that **metadata** will be available from multiple sources, especially ...

... obtaining information about the hyperlinks within a **video** segment, and within a still frame; **Metadata** transmission and synchronization models; MPEG-7 Systems compliant ...

**Keywords**

**MPEG-7**-metadata-extraction-model; image-segmentation; client-software-architecture; broadband-MPEG-2-digiTV-stream; digital-broadcast-item; digital-interactive-television; DVB/MHP-standard; feedback-channel; hyperlinked-television; segmented-television; synchronization-model; MPEG-21-standard.

**Publication type**

Conference-paper; Journal-paper.

**Publication year**

2003.

**Publication date**

20030000.

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## Using asynchronous writes on metadata to improve file system performance.

### Author(s)

Li-Chi-Feng, Ruei-Chuan-Chang.

### Author affiliation

Li-Chi Feng, Inst. of Comput. & Inf. Sci., Nat. Chiao Tung Univ., Hsinchu, Taiwan.

### Keywords In Context

... entities in a file system: data and **metadata**. Data mean the actual contents of files. **Metadata** include access control and other descriptive information about files. Previous research indicates that **metadata** writes account for 38–40% of disk I/O ...

... propose the design and implementation of a **metadata**-ordering mechanism and its corresponding asynchronous write facility. ...

... a facility, we can eliminate many synchronous **metadata** writes, and have the flexibility of choosing a better way to update these **metadata** modifications to disk asynchronously. Extensive performance evaluation ...

### Keywords

asynchronous-writes; file-system-performance; CPU-speed; disk-I/O-speed; performance-bottleneck; control-request-I/Os; **metadata**-ordering-mechanism; performance-evaluation.

### Publication type

Journal-paper.

### Publication year

1996.

### Publication date

19961000.

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## Metadata update performance in file systems.

### Author(s)

Ganger-G-R, Patt-Y-N.

### Author affiliation

Ganger, G.R., Patt, Y.N., Dept. of Electr. Eng. & Comput. Sci., Michigan Univ., Ann Arbor, MI, USA.

### Keywords In Context

... environments. We compare several implementations that maintain **metadata** integrity in the event of a system ...

... writes) by more than 30 percent for **metadata** update intensive benchmarks, but are suboptimal mainly ...

... guarantees than most UNIX file systems. For **metadata** update intensive benchmarks, this improves performance by ...

### Keywords

**metadata**-update-performance; file-systems; file-creation; block-allocation; file-system-performance-problems; **metadata**-integrity; system-failure; on-disk-structures; file-system; asynchronous-writes; disk-scheduler; scheduler-enforced-ordering-schemes; **metadata**-update-intensive-benchmarks; delayed-writes; soft-up-dates; memory-based-file-system-performance; integrity; security-guarantees; UNIX-file-systems.

### Publication type

Conference-paper.

### Publication year

1994.  
**Publication date**  
19940000.

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